

Outliers values - pg29(2014)

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1 Outline

We have analized the next attributes in the 'value' column:

color a
color b
color brightness
color hue
color saturation
fruit firmness
fruit shape
fruit weight
total soluble solids

2 Outliers values

2.1 color a column

Here is the analysis performed over the color a column and the subsequent outliers values found.

Table 1. Mean and sd of color a column

	mean	sd
1	36.27	3.99

Table 2. outliers values found in color a column

	line	stock_sample	group	value
15	control-2014	control-2014_2014-03-27_4	color a	45.88
81	control-2014	control-2014_2014-06-12_9	color a	21.61
83	pg29	pg29_2014-03-20_1	color a	23.92

2.1.1 Plots of color a column

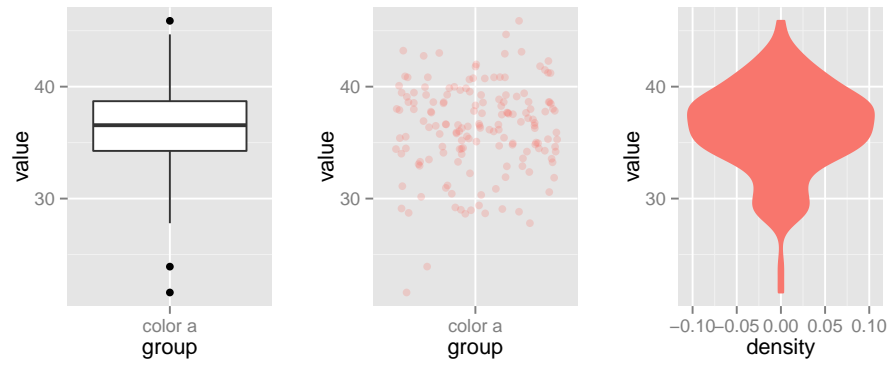


Figure 1. Graphic representation of color a outliers values

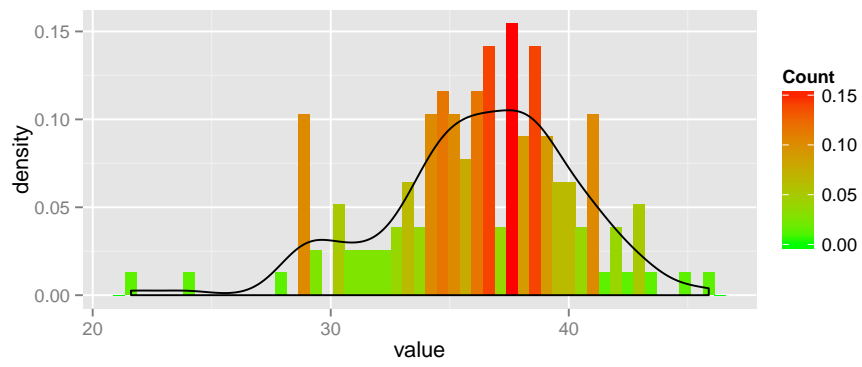


Figure 2. Histogram of color a values

2.2 color b column

Here is the analysis performed over the color b column and the subsequent outliers values found.

Table 3. Mean and sd of color b column

mean		sd
1	18.39	3.75

Table 4. outliers values found in color b column

line		stock_sample	group	value
15	control-2014	control-2014_2014-03-27_4	color b	31.31
147	pg29	pg29_2014-05-22_6	color b	30.12

2.2.1 Plots of color b column

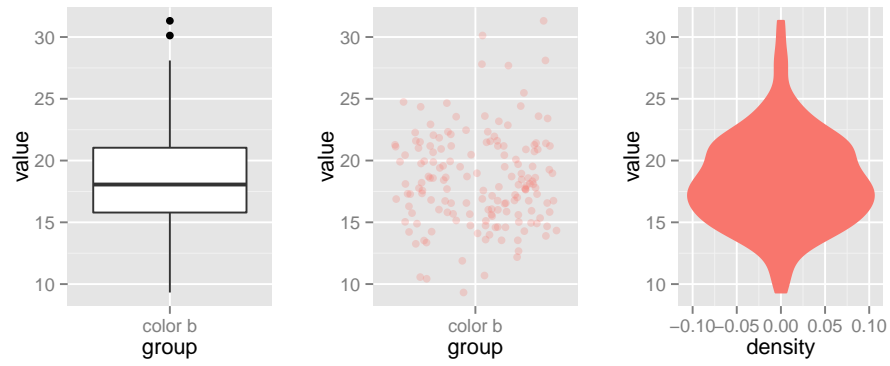


Figure 3. Graphic representation of color b outliers values

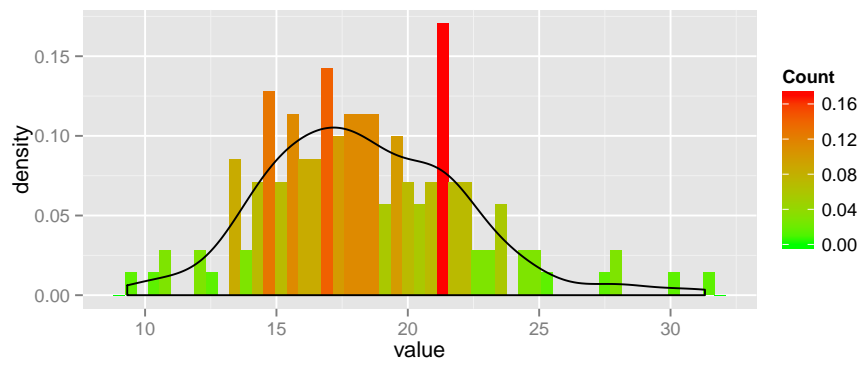


Figure 4. Histogram of color b values

2.3 color brightness column

Here is the analysis performed over the color brightness column and the subsequent outliers values found.

Table 5. Mean and sd of color brightness column

	mean	sd
1	34.29	2.68

Table 6. outliers values found in color brightness column

	line	stock_sample	group	value
10	control-2014	control-2014_2014-03-20_10	color brightness	42.96
19	control-2014	control-2014_2014-04-03_2	color brightness	42.39
124	pg29	pg29_2014-04-30_7	color brightness	27.24

2.3.1 Plots of color brightness column

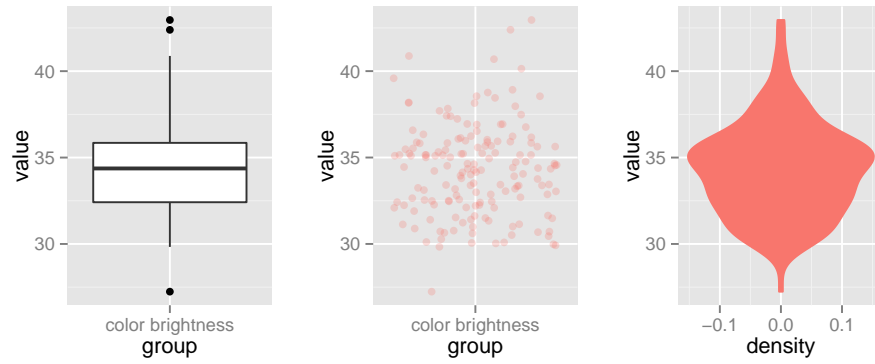


Figure 5. Graphic representation of color brightness outliers values

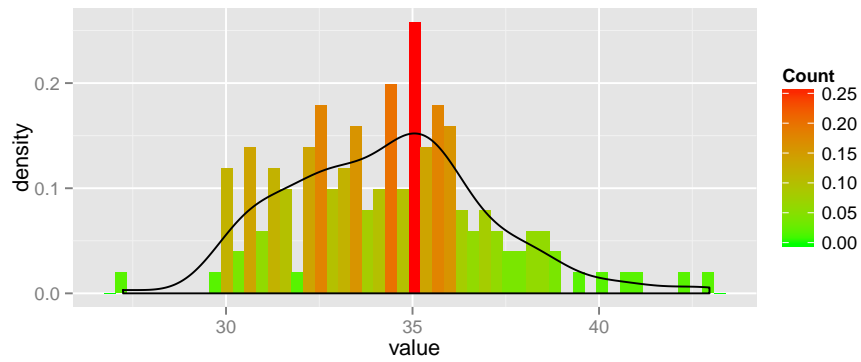


Figure 6. Histogram of color brightness values

2.4 color hue column

Here is the analysis performed over the color hue column and the subsequent outliers values found.

Table 7. Mean and sd of color hue column

	mean	sd
1	26.71	3.59

Table 8. outliers values found in color hue column

	line	stock_sample	group	value
	40	control-2014	control-2014.2014-04-30_10	color hue 35.62
	81	control-2014	control-2014.2014-06-12_9	color hue 41.28
	107	pg29	pg29_2014-04-10_7	color hue 37.94
	147	pg29	pg29_2014-05-22_6	color hue 35.98

2.4.1 Plots of color hue column

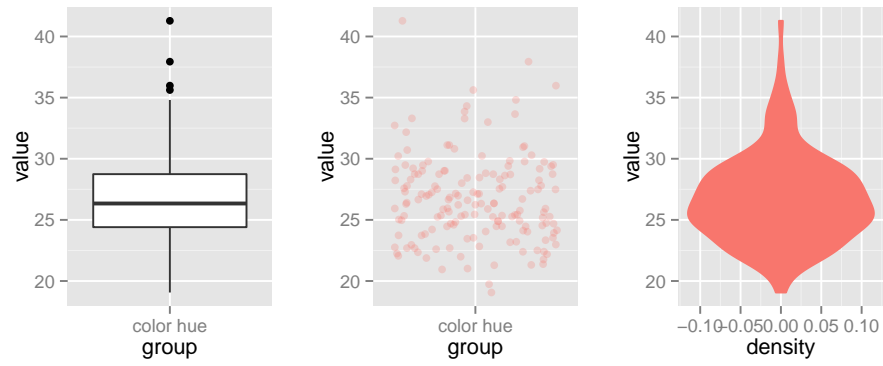


Figure 7. Graphic representation of color hue outliers values

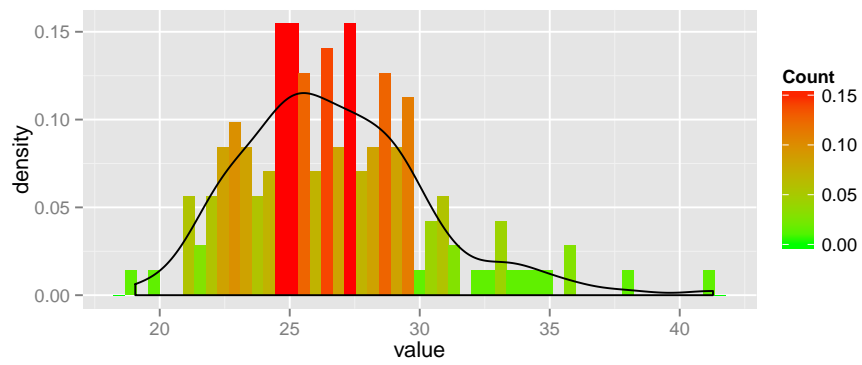


Figure 8. Histogram of color hue values

2.5 color saturation column

Here is the analysis performed over the color saturation column and the subsequent outliers values found.

Table 9. Mean and sd of color saturation column

		mean	sd
1	40.74	4.86	

Table 10. outliers values found in color saturation column

	line	stock_sample	group	value
15	control-2014	control-2014_2014-03-27_4	color saturation	55.54
83	pg29	pg29_2014-03-20_1	color saturation	25.67

2.5.1 Plots of color saturation column

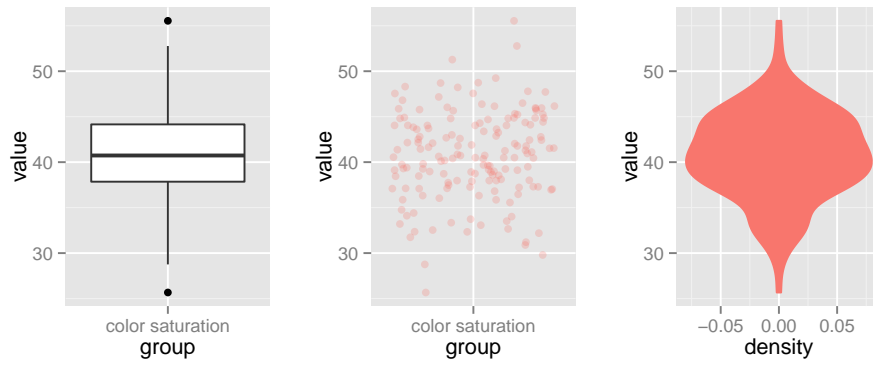


Figure 9. Graphic representation of color saturation outliers values

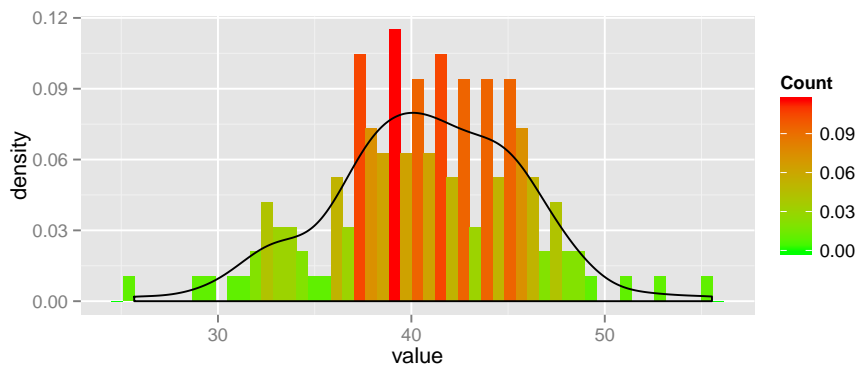


Figure 10. Histogram of color saturation values

2.6 fruit firmness column

Here is the analysis performed over the fruit firmness column and the subsequent outliers values found.

Table 11. Mean and sd of fruit firmness column

	mean	sd
1	330.25	115.36

[1] "No outliers values found for this trait."

2.6.1 Plots of fruit firmness column

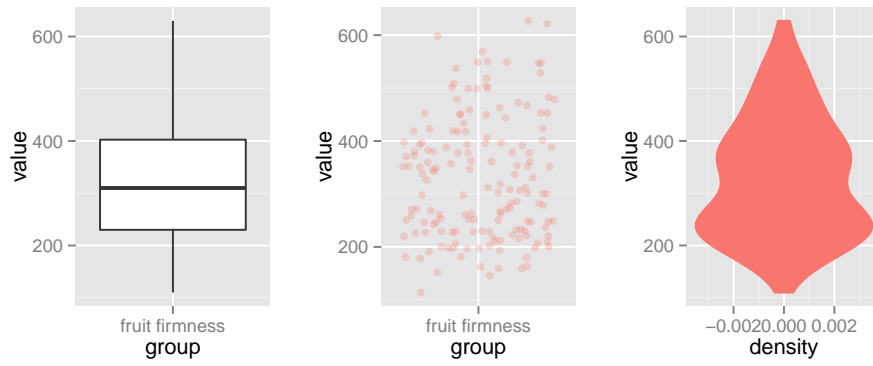


Figure 11. Graphic representation of fruit firmness outliers values

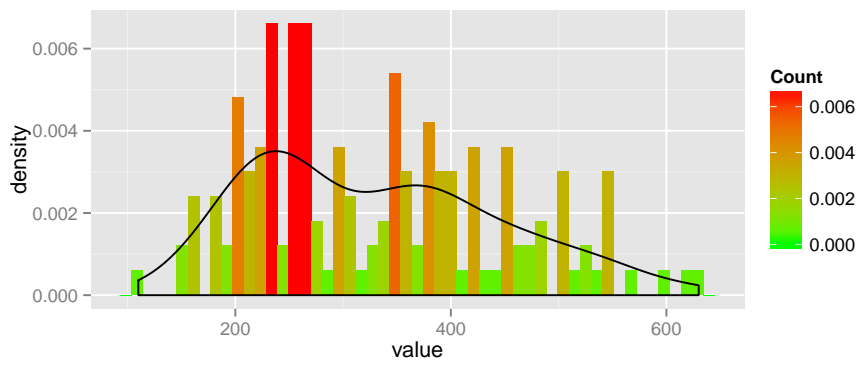


Figure 12. Histogram of fruit firmness values

2.7 fruit shape column

Here is the analysis performed over the fruit shape column and the subsequent outliers values found.

Table 12. Mean and sd of fruit shape column

		mean sd
1	1.41	0.18

Table 13. outliers values found in fruit shape column

	line	stock_sample	group	value	
	1	control-2014	control-2014_2014-03-20.1	fruit shape	0.92
	28	control-2014	control-2014_2014-04-23.3	fruit shape	2.00
	102	pg29	pg29_2014-04-10.2	fruit shape	1.95

2.7.1 Plots of fruit shape column

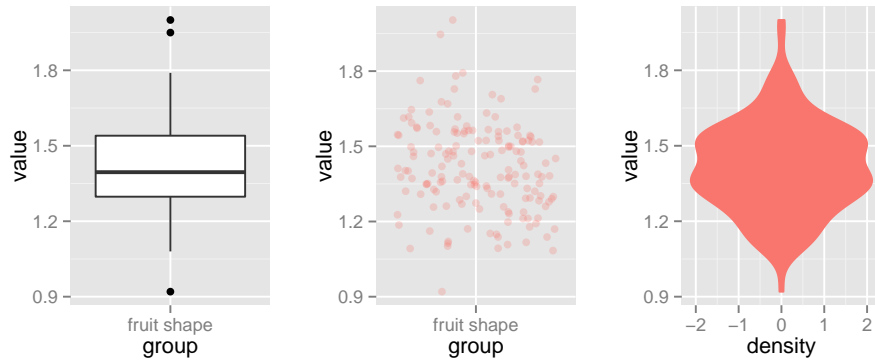


Figure 13. Graphic representation of fruit shape outliers values

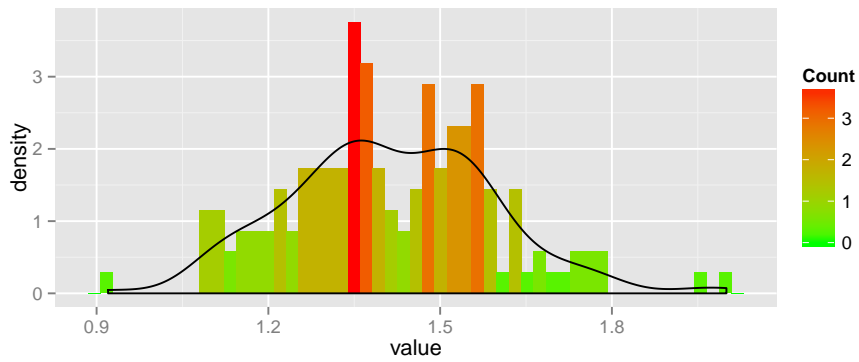


Figure 14. Histogram of fruit shape values

2.8 fruit weight column

Here is the analysis performed over the fruit weight column and the subsequent outliers values found.

Table 14. Mean and sd of fruit weight column

mean		sd
1	13.43	4.09

Table 15. outliers values found in fruit weight column

line	stock_sample	group	value
114	pg29	pg29_2014-04-23_4	fruit weight 27.60

2.8.1 Plots of fruit weight column

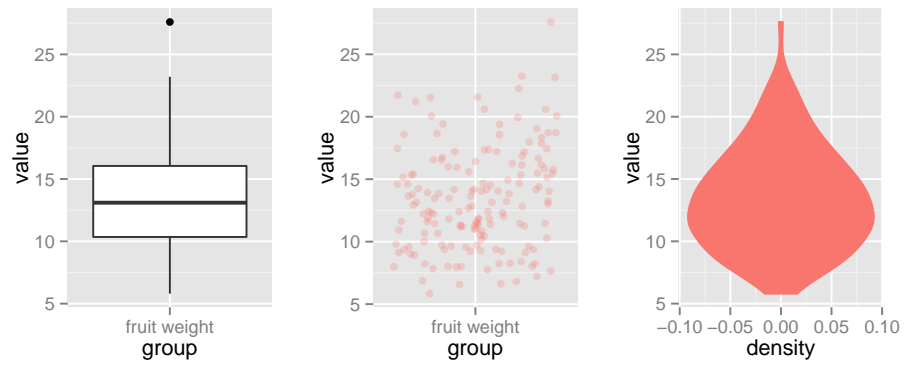


Figure 15. Graphic representation of fruit weight outliers values

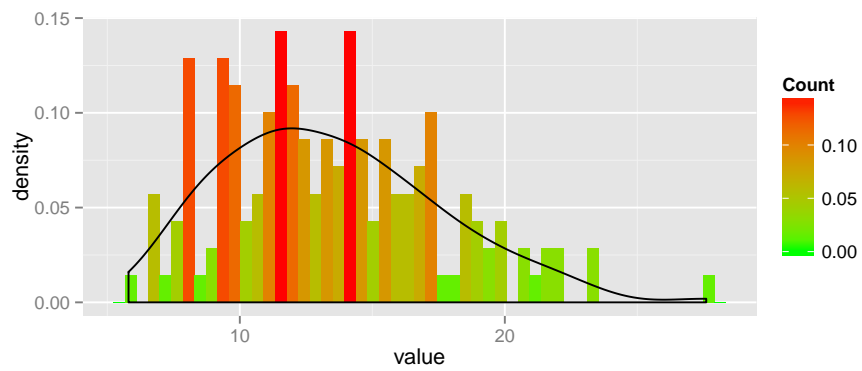


Figure 16. Histogram of fruit weight values

2.9 total soluble solids column

Here is the analysis performed over the total soluble solids column and the subsequent outliers values found.

Table 16. Mean and sd of total soluble solids column

	mean	sd
1	7.62	1.61

[1] "No outliers values found for this trait."

2.9.1 Plots of total soluble solids column

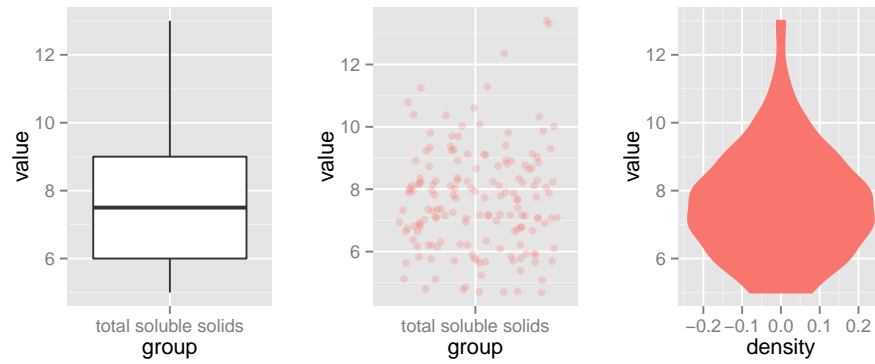


Figure 17. Graphic representation of total soluble solids outliers values

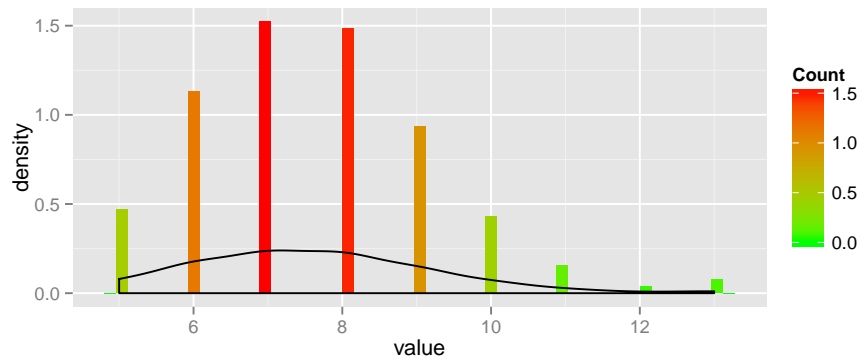


Figure 18. Histogram of total soluble solids values

3 Character columns

3.1 season column

Distinct values found in season column:

2014

3.2 person column

Distinct values found in person column:

Candelas Paniagua Correa

3.3 line column

Distinct values found in line column:

control-2014

pg29

4 Missing values

The next rows contain missing values.

Table 17. Rows containg NA values

line	stock_sample	group	value
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